

**AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Currently amended): A system for assisting regeneration of a particle filter integrated in an exhaust line of a motor vehicle diesel engine, the engine being associated with various units, including:

- means for admitting air into the engine;
- means for recycling exhaust gases from the engine to the inlet thereof;
- a turbocompressor;
- a particle filter;
- a common system for feeding fuel to the cylinders of the engine, including electrical fuel injectors associated with those cylinders;
- means for adding to the fuel an additive adapted to be deposited on the particle filter to reduce the combustion temperature of particles trapped therein;
- means for acquiring information relating to various operating parameters of the engine and the units associated therewith; and
- means for monitoring the operation of at least one of the air admission means, the recycling means, the turbocompressor ~~and/or~~ and the fuel feeding system in order to monitor the operation of the engine, these monitoring means being further adapted to trigger a phase of

regeneration of the particle filter by combustion of the particles trapped therein by triggering a phase of multiple injection of fuel into the cylinders of the engine during their expansion phase;

wherein the particle filter is impregnated with a catalyst for oxidizing hydrocarbons and CO present in the exhaust gases flowing through said particle filter, and

wherein the particle filter has a region that is more strongly impregnated with the oxidation catalyst.

2. (Previously presented): A system according to claim 1, wherein said catalyst is a metal or a mixture of metals.

3. (Previously presented): A system according to claim 2, wherein said metal is a group VIII metal, such as platinum, palladium, or rhodium, or a mixture of such metals.

4. (Canceled)

5. (Currently amended): A system according to ~~claim 4~~ claim 1, wherein said more strongly impregnated region is situated at the centre of the cross-section of the particle filter.

6. (Currently amended): A system according to claim 1 ~~claim 4~~, wherein said more strongly impregnated region is situated at the inlet of the particle filter.

7. (Previously presented): A system according to claim 5, wherein the area of said more strongly impregnated region represents from 20% to 70% of the cross-section of said particle filter.

8. (Currently amended): A system according to claim 1~~-claim 4~~, wherein the more strongly impregnated region occupies from 10% to 50% of the length of the particle filter starting from its inlet face.

9. (Previously presented): A system according to claim 2, wherein the terminal portion of the particle filter is not impregnated with the oxidation catalyst.